

CLAIMS

1. A clear coated metal sheet, which comprises
a base metal sheet having a metallic surface, and
a clear-paint film formed on said surface directly or through an
5 under clear coat,
wherein transparent or translucent inorganic flakes coated with one
or more transparent or translucent metal oxide layers are dispersed as an
interference-coloring pigment in said clear paint film.
2. The clear coated metal sheet defined by Claim 1, wherein the metal
10 oxide is one or more of TiO_2 , SiO_2 , ZrO_2 , Fe_2O_3 , SnO_2 , Fe_3O_4 , Cr_2O_3 , ZnO
and Al_2O_3 .
3. The clear coated metal sheet defined by Claim 1, wherein the
inorganic flakes are one or more of mica, glass, alumina flakes and silica.
4. The clear coated metal sheet defined by Claim 1, wherein the clear-
15 paint film additionally disperses colorless transparent matting grains
therein.
5. The clear coated metal sheet defined by Claim 4, wherein the
matting grains are one or more of silica, glass and synthetic resin beads.
6. The clear coated metal sheet defined by Claim 1, wherein the under
20 clear coat optionally disperses a translucent flaky pigment therein.
7. The clear coated metal sheet defined by Claim 6, wherein the flaky
pigment is one or more of graphite, metal oxides and metal sulfides.
8. The clear coated metal sheet defined by Claim 1, wherein the clear-
paint film is further coated with a top clear coat, which does not disperse
25 any interference-coloring pigment therein.
9. The clear coated metal sheet defined by Claim 8, wherein thickness
 t_2 of the top clear coat is controlled in relation with thickness t_1 of the
clear-paint film with the provision of $t_2/t_1=0.4-1.5$.